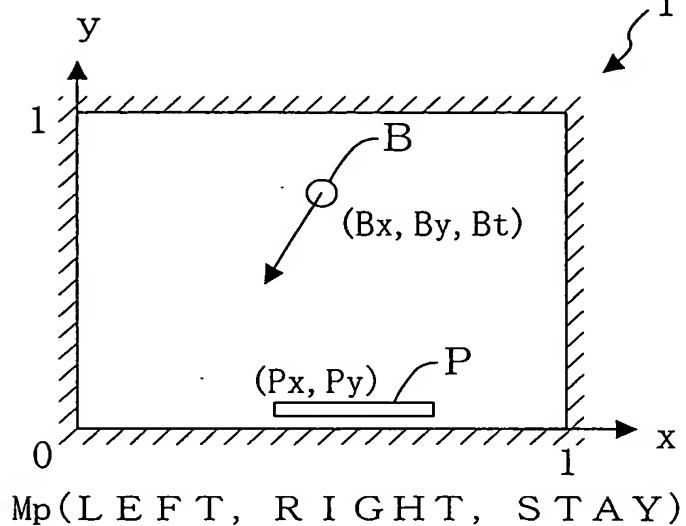


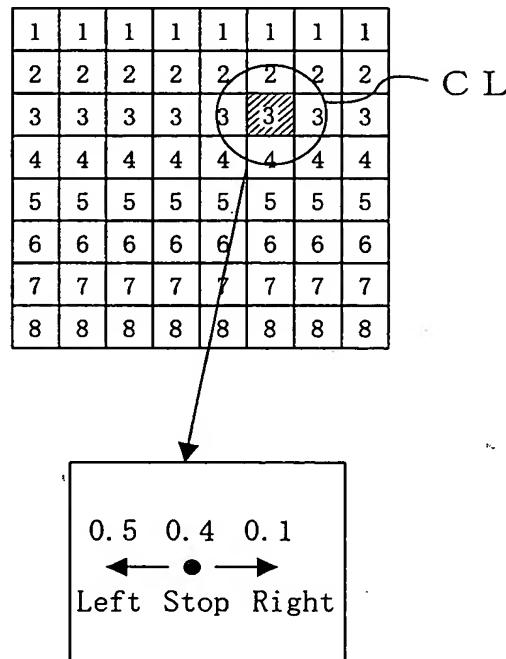
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FIG. 1



M_p (LEFT, RIGHT, STAY)

FIG. 2



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FIG. 3

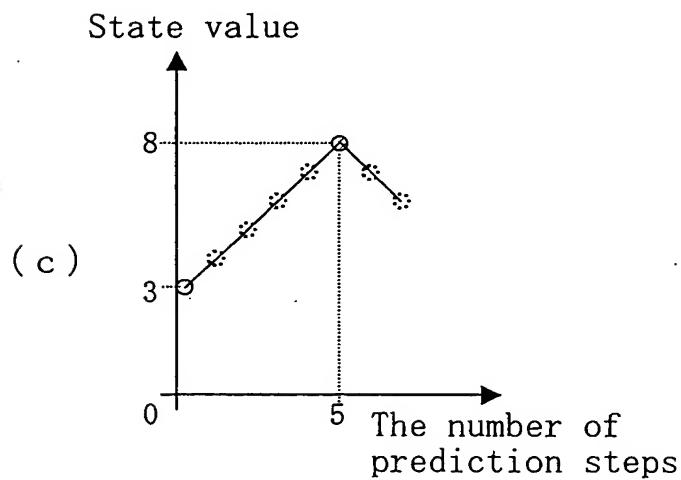
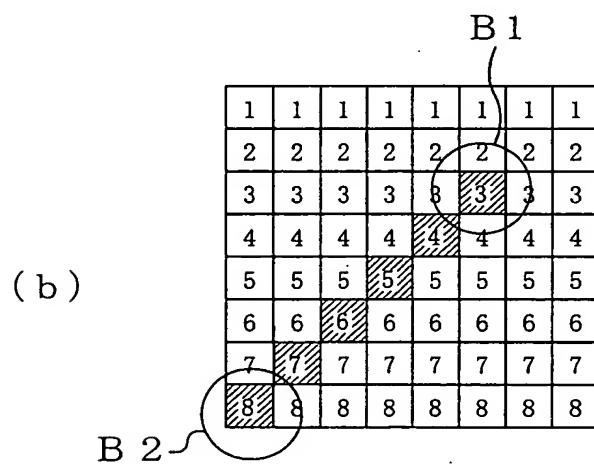
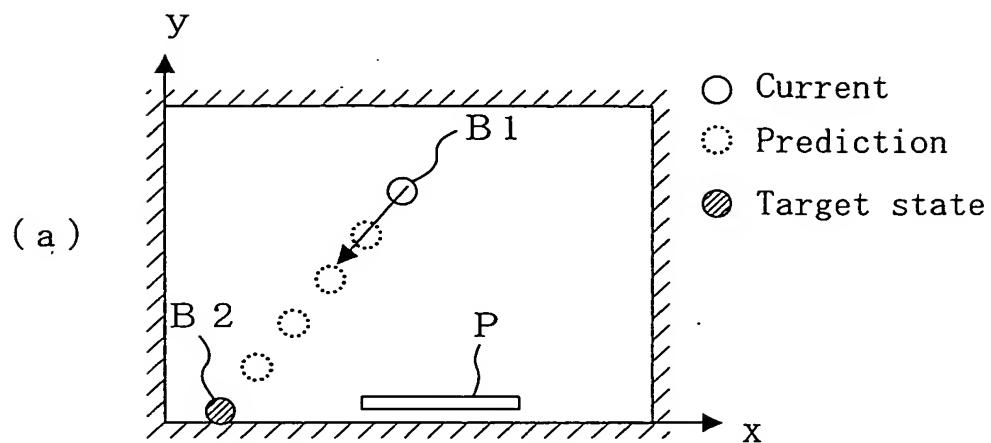
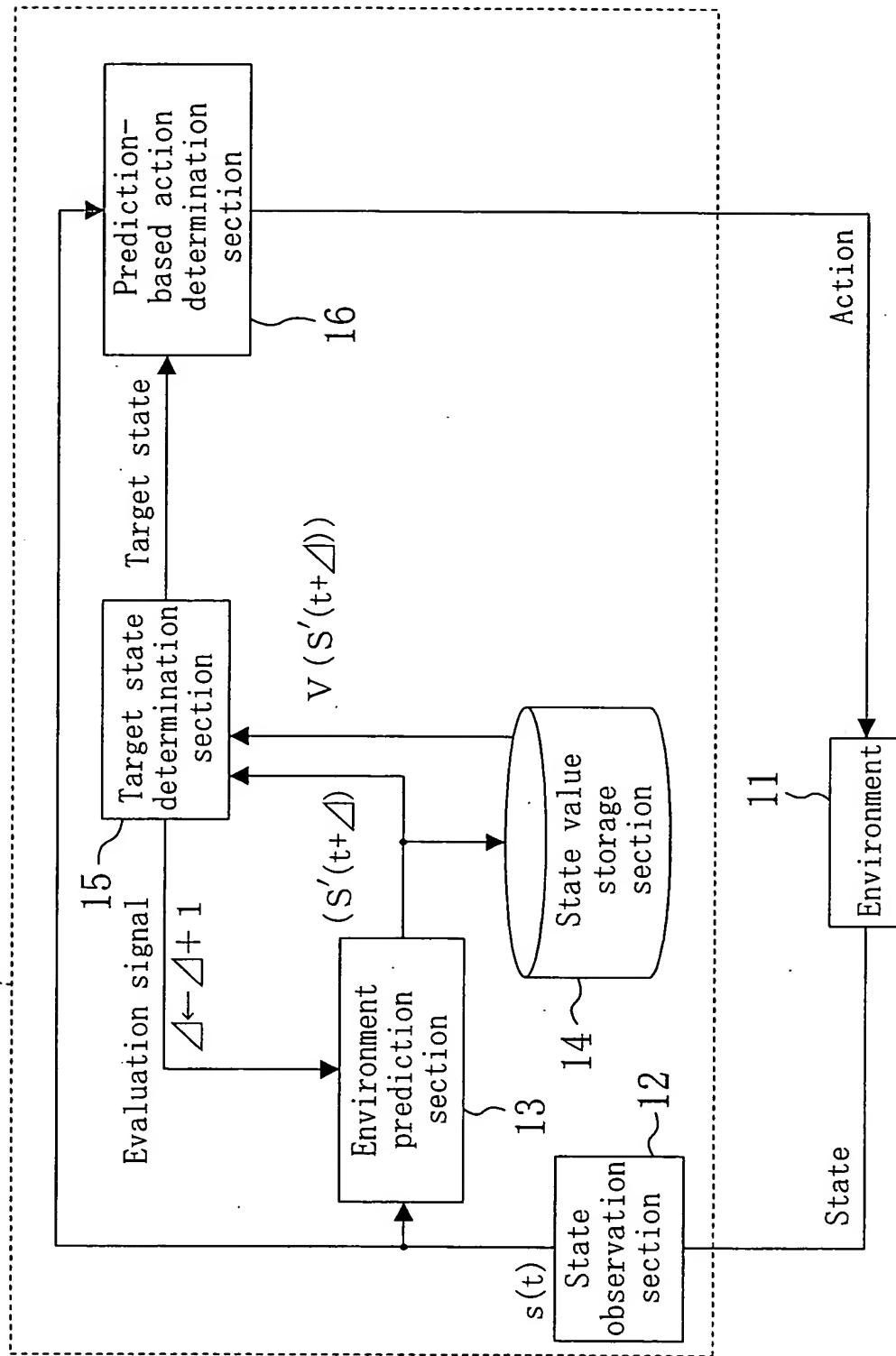


FIG. 4

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FIG. 5

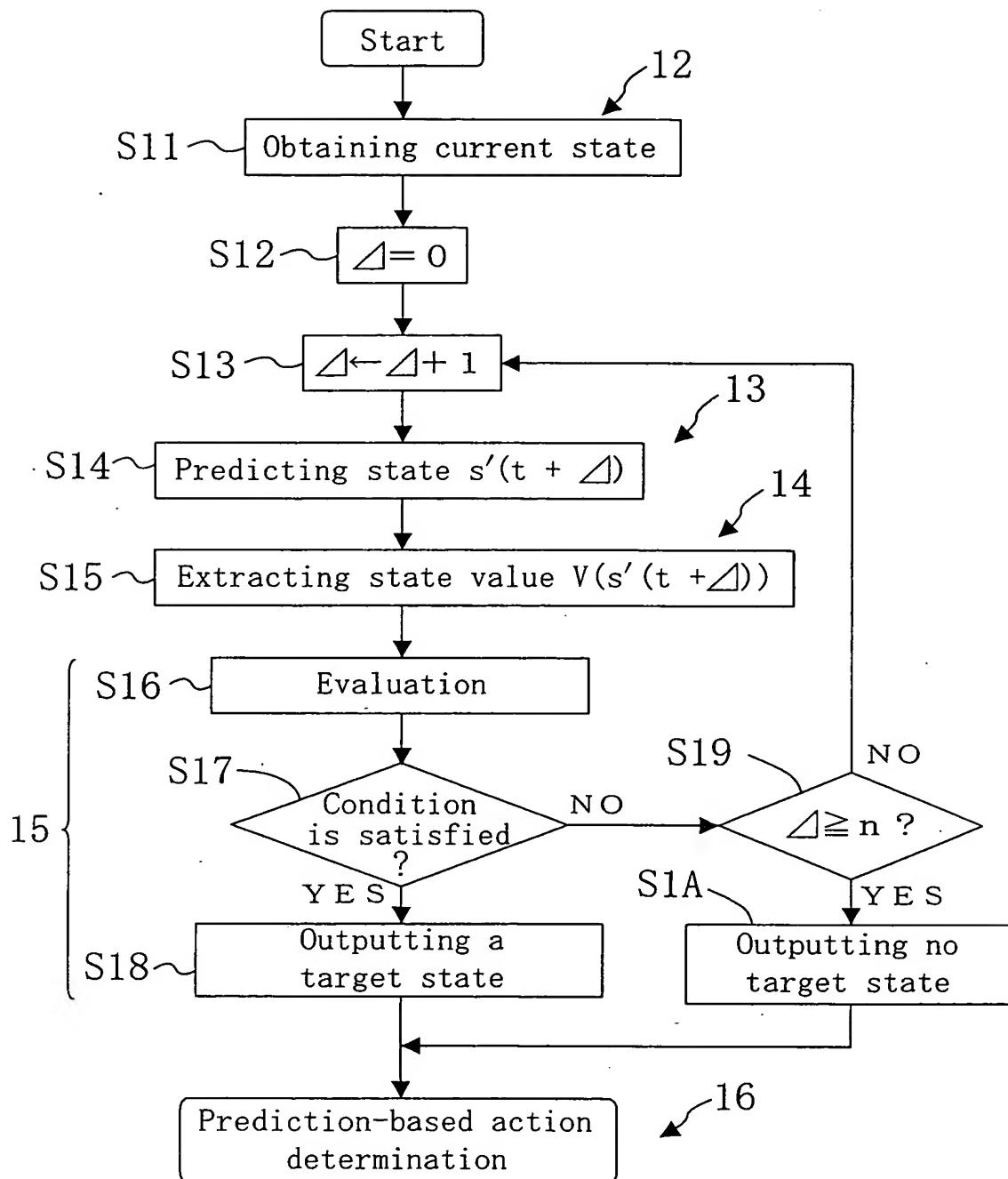
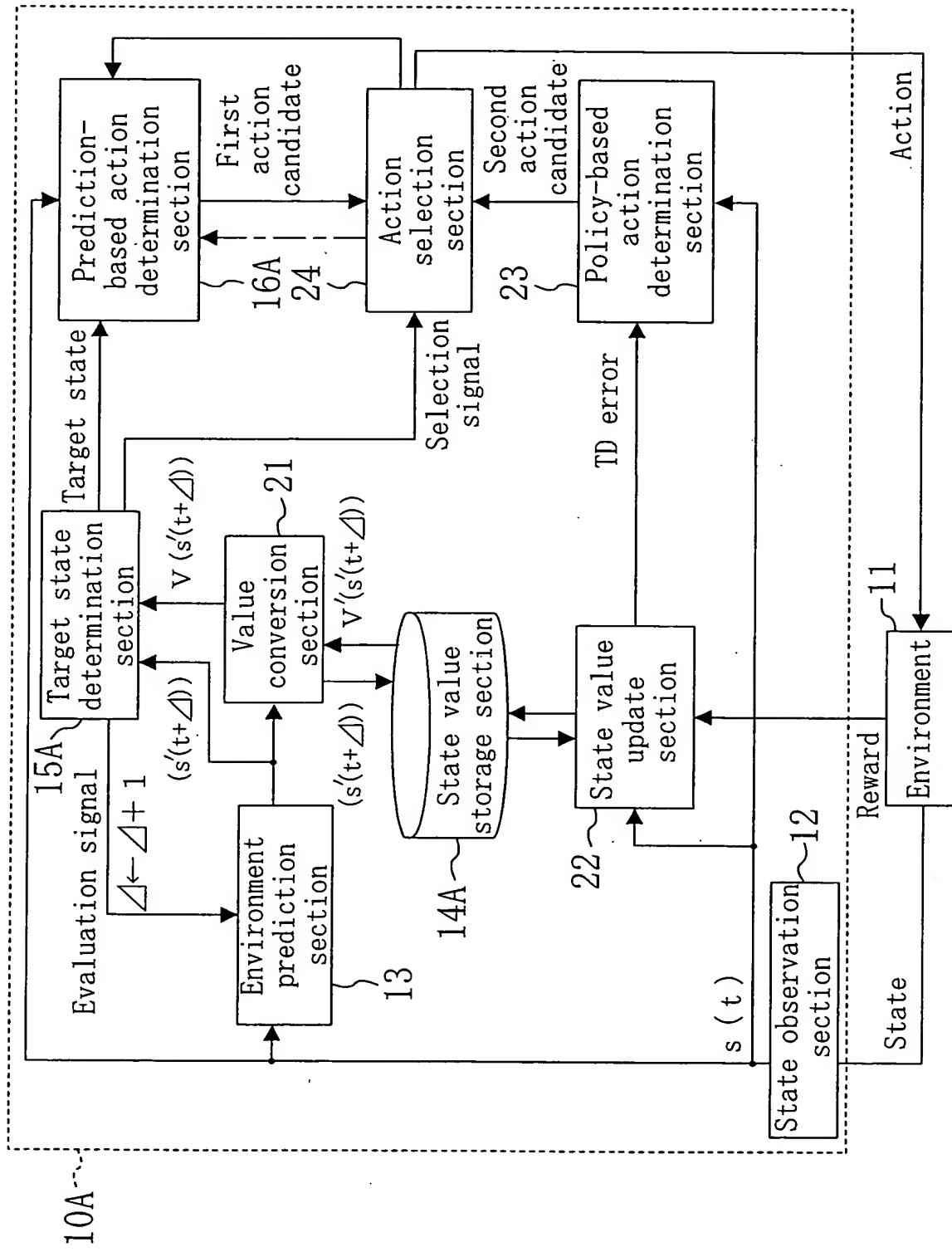


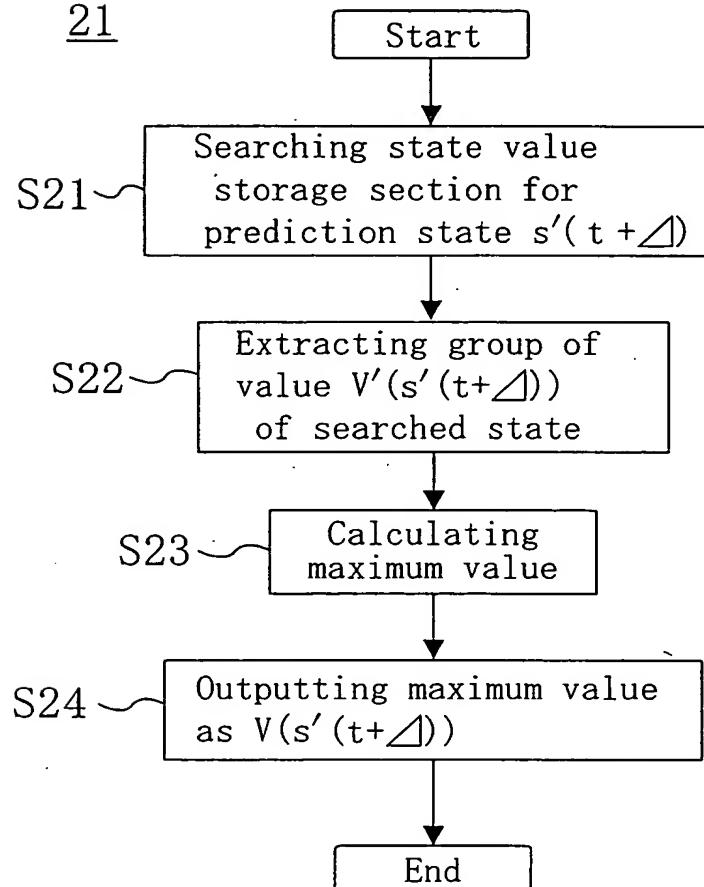
FIG. 6



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FIG. 7

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FIG. 8

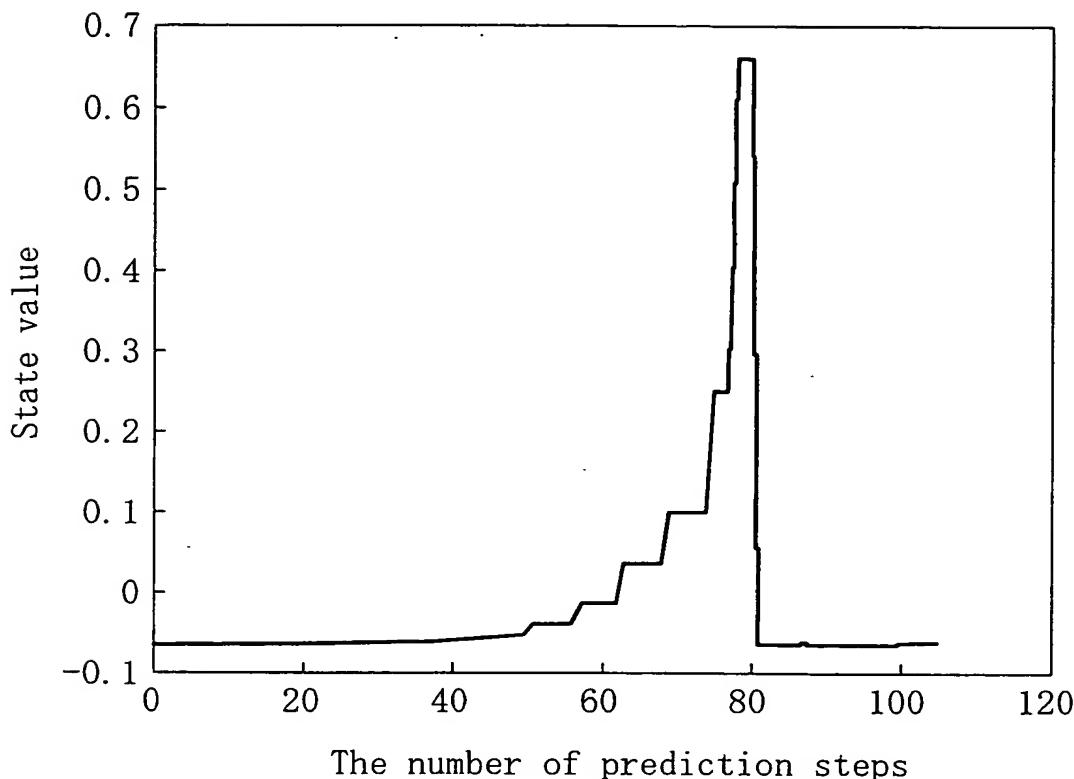
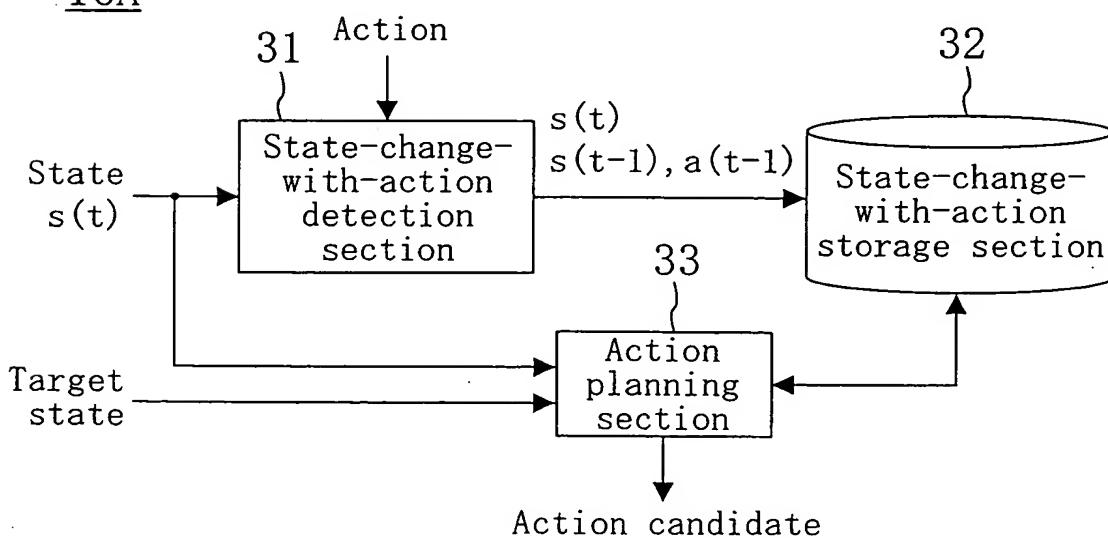


FIG. 9

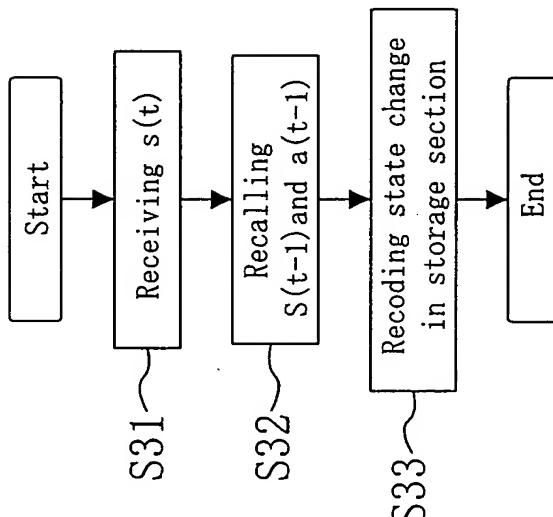
16A



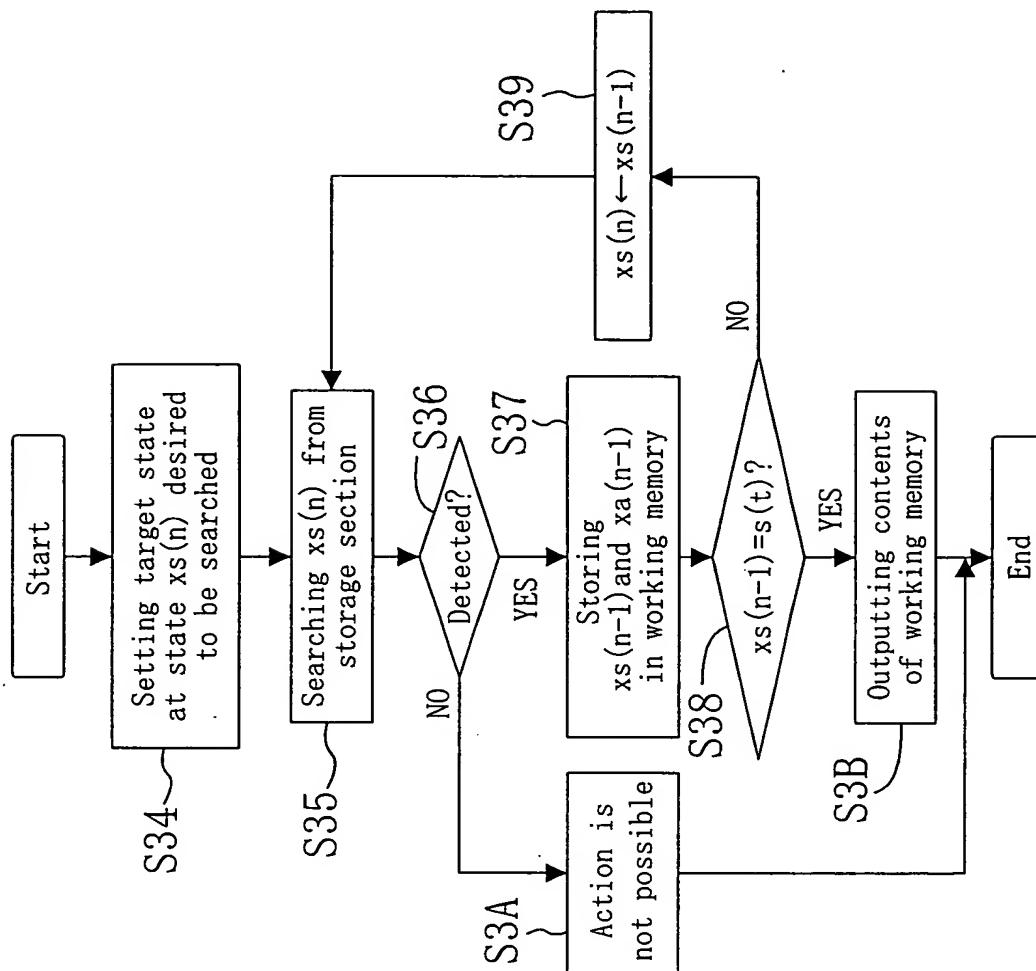
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FIG. 10

(a) Storing state change



(b) Action planning



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FIG. 11

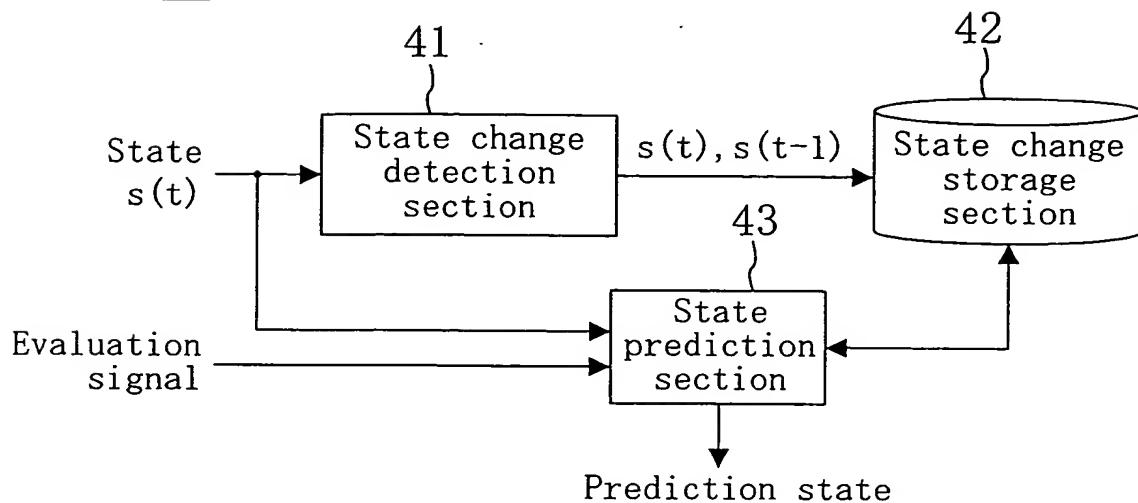
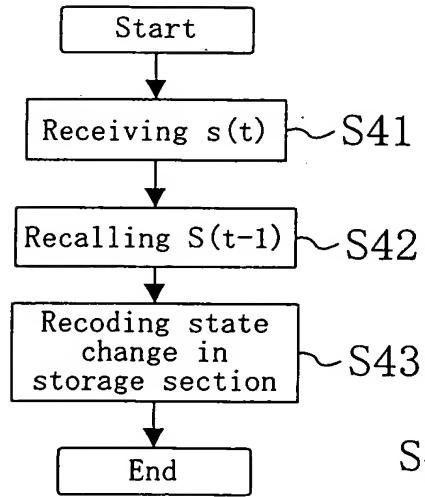
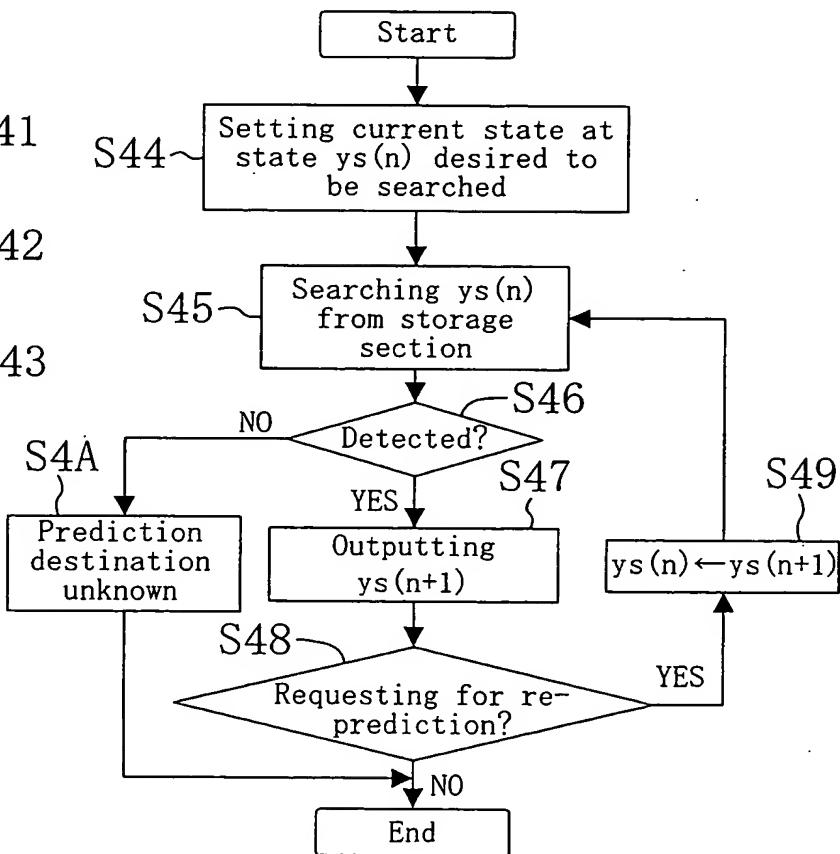


FIG. 12

(a) Storing state change



(b) Action prediction



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FIG. 13

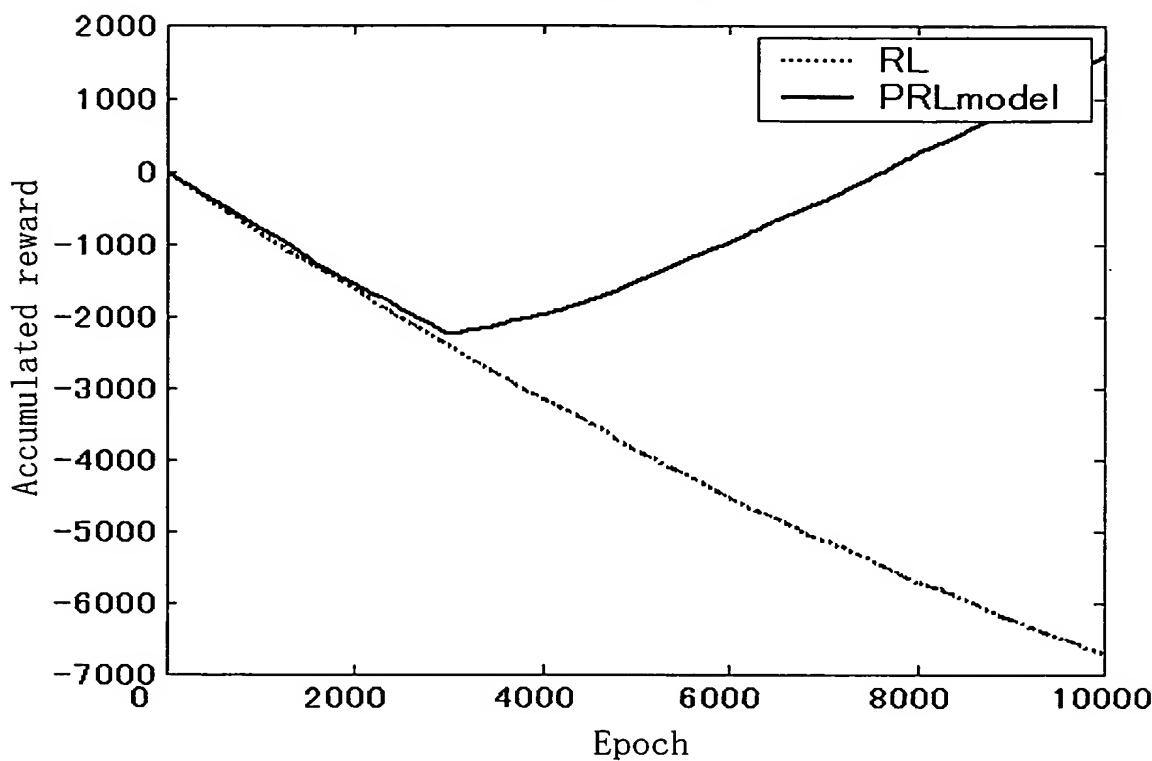
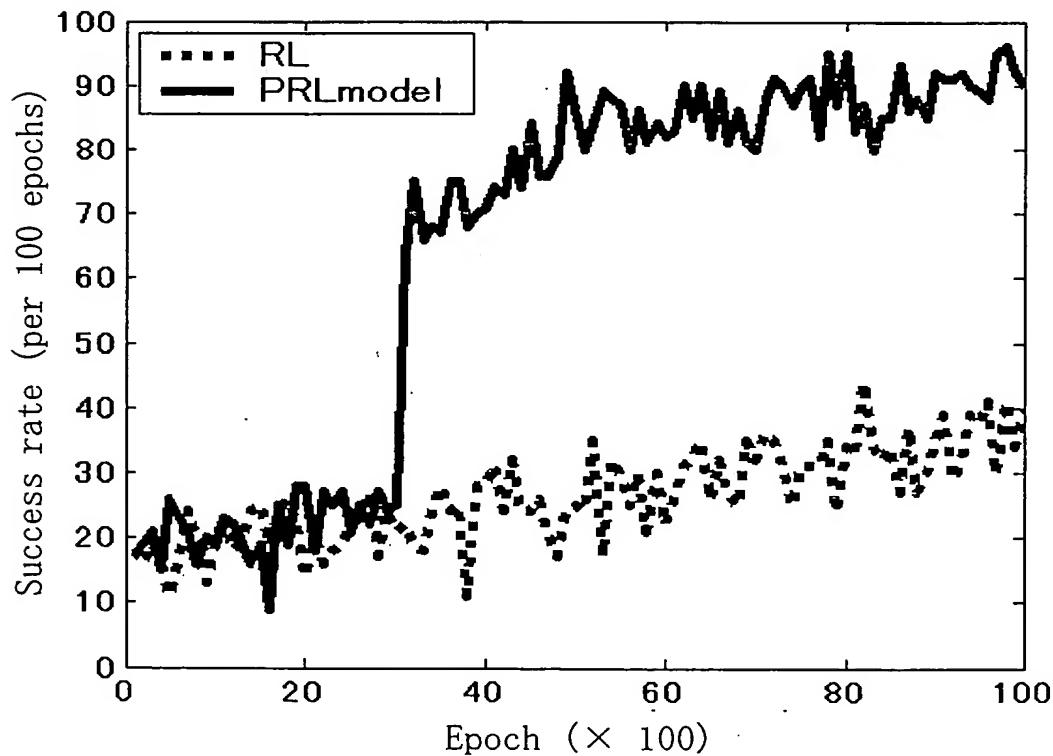


FIG. 14



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FIG. 15

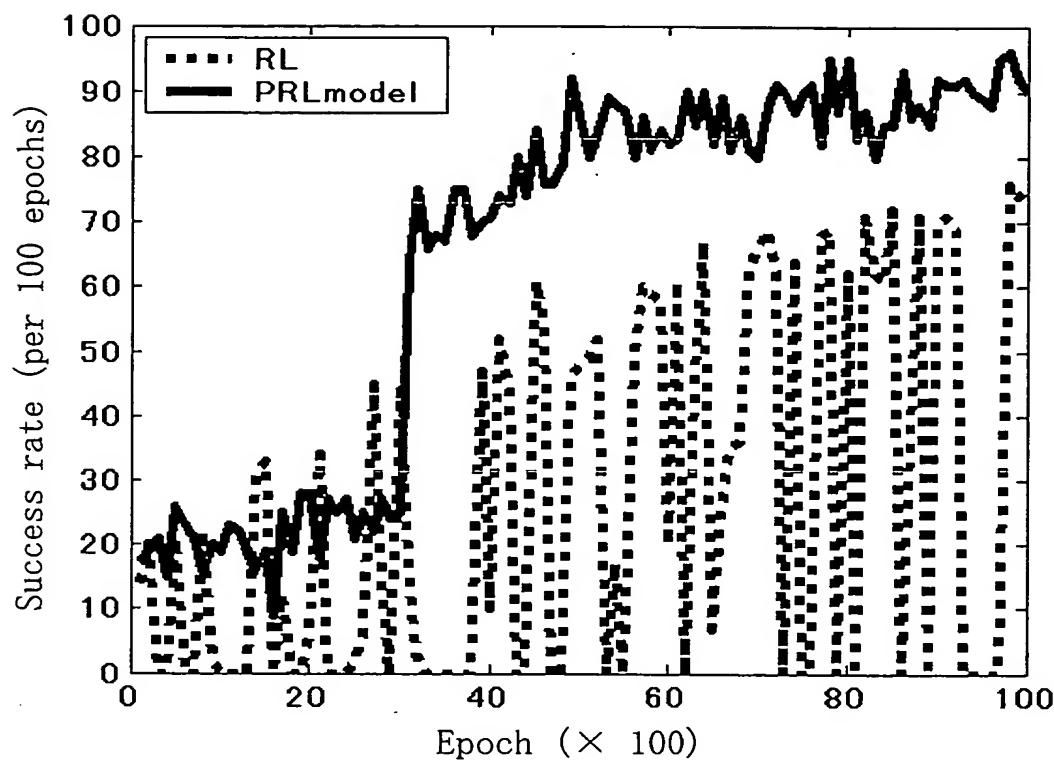


FIG. 16

(a) Before learning

(b) Middle of learning

(c) After completion of learning

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FIG. 17

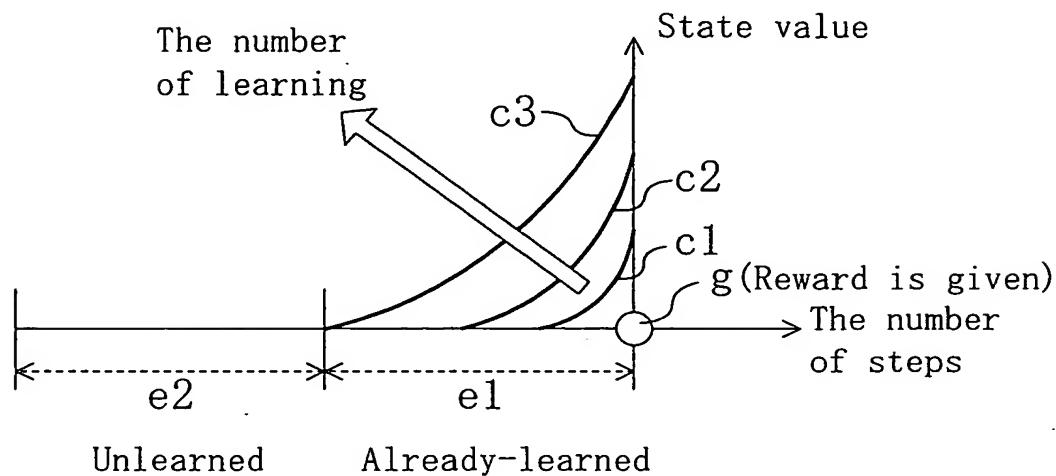
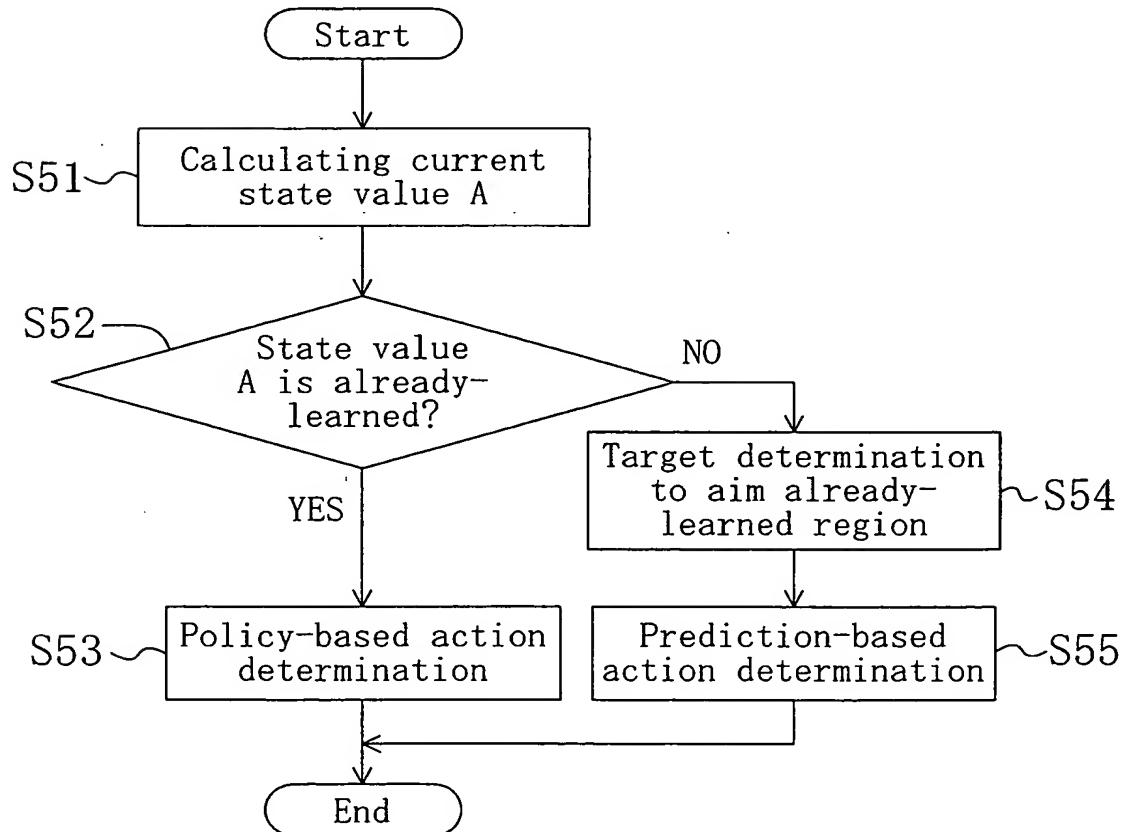


FIG. 18



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FIG. 19

